Reflective Cracking Testing Notes

Date: February 19, 2015

Project: Reflective Cracking Indoor Phase IV

Weather:

	6:54 AM	3:54 PM
Temperature (°F):	12.0	17.1
Dew Point (°F):	-2.9	-4.0
Humidity (%):	51	39
Visibility (Miles):	10.0	10.0
Wind (MPH):	11.5 W	20.7 WNW
Conditions:	Clear	Partly Cloudy

Working Hours: 7:00 AM – 4:30 PM

Sub-Contractor(s): None

Personnel: SRA

Equipment: Hand tools

Reflective Cracking Testing Notes:

The 12 mil formal test continued on the Phase IV test item. On the South test section, the inner vertical edge remains unchanged from the pre-test condition, as shown in Figure 1 below. The South outer vertical edge shows no cracks, as shown in Figure 2. On the North test section, the inner vertical edge remains unchanged from the pre-test condition, as shown in Figure 3. The North outer vertical edge shows the first sign of a crack through SG6-N-0 and stops just above the sensor, 1 inch from the bottom, as shown in Figure 4. The sensor is still responding, as shown in Figure 5 below.

The chiller remains inoperative due to a low flow fault. A parts list for repairs has been provided to the FAA for purchase. The ambient temperature is reading 29.5 °F. The temperature at the interface is reading 32.3 °F (T1-S) and 32.5 °F (T1-N). Although the interface temperature appears to remain close to the target value of 32° F, it is recommended that the chiller operation be restored to ensure interface temperatures do not increase above the target value.

Figure 1. South Inner Vertical Edge.

Figure 2. South Outer Vertical Edge.

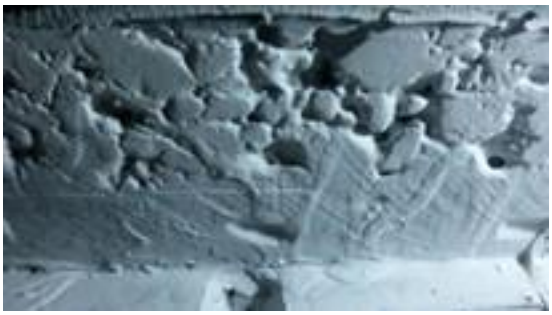

Figure 3. North Inner Vertical Edge.

Figure 4. North Outer Vertical Edge.

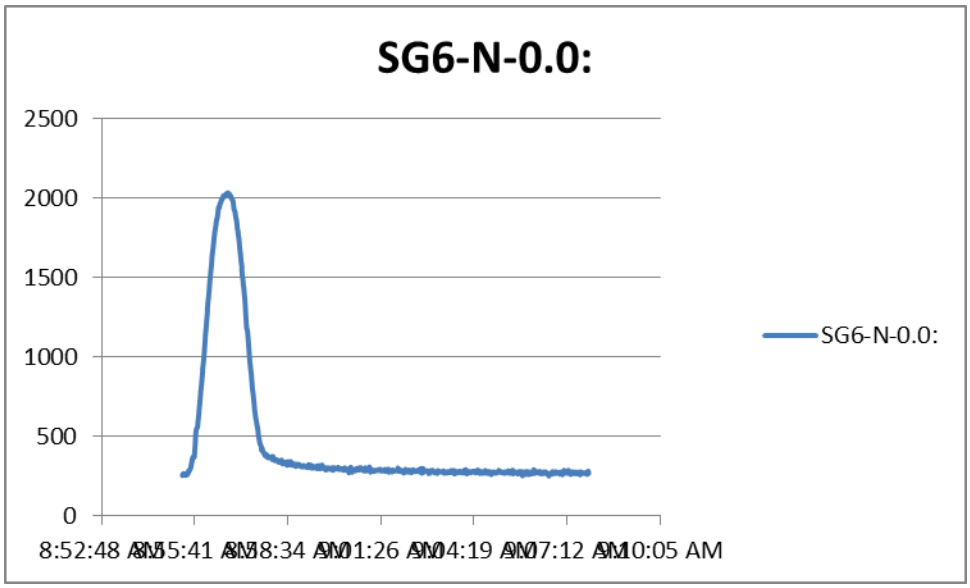

Figure 5. North Outer Vertical Edge (SG6-N-0) Response Curve.